

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 October 2005 (27.10.2005)

PCT

(10) International Publication Number
WO 2005/100887 A1

(51) International Patent Classification⁷: **F25D 17/06**,
17/04

(21) International Application Number:
PCT/BR2005/000044

(22) International Filing Date: 1 April 2005 (01.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PI 0401193-7 1 April 2004 (01.04.2004) BR

(71) Applicant (for all designated States except US): **MULTI-
BRÁS S.A. ELETRODOMÉSTICOS** [BR/BR]; Avenida
das Nações Unidas, 12.995 - 32º andar, 04578-000 São
Paulo - SP (BR).

(72) Inventors; and

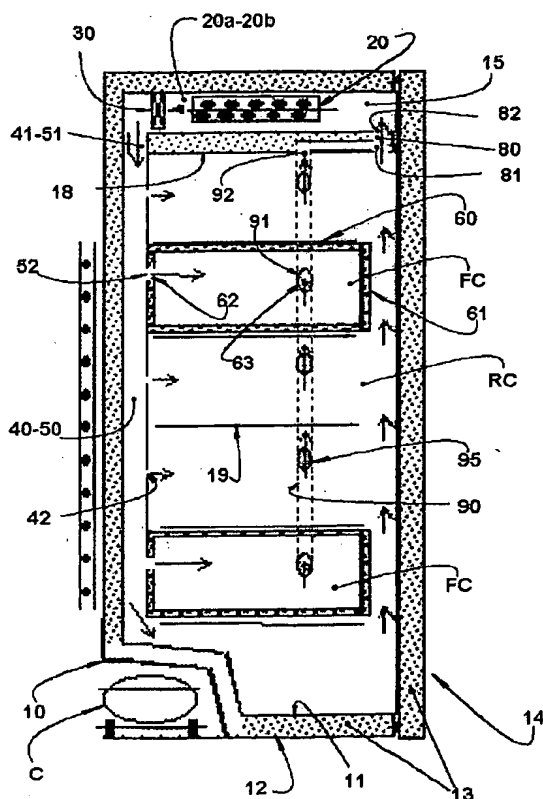
(75) Inventors/Applicants (for US only): **HERMES, Chris-
tian Johann Losso** [BR/BR]; Rua Luiz Delfino, 719 - ap.
401, 89216-120 Joinville - SC (BR). **HEINZLE, Mar-
cos** [BR/BR]; Rua Pará, 2156, 89204-420 Joinville - SC
(BR). **CUR, Nihat** [TR/US]; 4360 Sunnymead Drive, St.
Joseph, Michigan 49085 (US).

(74) Agents: **ARNAUD, Antonio M.P.** et al.; Rua José Bonifá-
cio, 93 - 9th floor, 01003-901 São Paulo - SP (BR).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,

[Continued on next page]

(54) Title: REFRIGERATION APPLIANCE



(57) Abstract: A refrigeration appliance, comprising: a cabinet (10) defining a refrigerating compartment (RC) and an air refrigerating chamber (15) housing at least one evaporator (20) and at least one fan (30); and at least one freezing compartment (FC) provided with a respective front door (61) and which is optionally and selectively mounted inside the cabinet (10), so as to occupy at least a portion of the inner volume of the latter and to be maintained in fluid communication with the air refrigerating chamber (15) through at least one outlet opening (52) of a freezing air supply duct (50) and through at least one inlet window (91) of a freezing air return duct (90), said refrigerating compartment (RC) being maintained in fluid communication with the air refrigerating chamber (15) through a refrigerating air supply duct (40) and a refrigerating air return duct (80).

WO 2005/100887 A1



TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*